

09/341641
80Rec'd PCT/PTU 15 JUL 1999

Patent
Attorney's Docket No. 020600-280

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Günter SCHMIDT et al)
Application No.: Unassigned) Group Art Unit: Unassigned
(Corresponds to PCT/GB98/00130))
International Filing Date: January 15, 1998)
For: NUCLEIC ACID SEQUENCING) Examiner: Unassigned

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please amend the application as indicated.

In the Claims:

Kindly cancel original Claims 1-20 and substitute the following claims therefor:

--21. A method for sequencing DNA, which comprises:

(a) obtaining a target DNA population comprising a plurality of single-stranded DNAs to be sequenced, each of which is present in a unique amount in the same reaction zone and bears a primer to provide a double-stranded portion of the DNA for ligation thereto;

(b) contacting the DNA population with an array of hybridization probes, each probe comprising a label cleavably attached to a known base sequence of predetermined length, the array containing all possible base sequences of that predetermined length and